## Andrea Petri

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**EDUCATION** 

Laurea Specialistica, Theoretical Physics, June 2011

Scuola Normale Superiore, Pisa Thesis advisor: Andrea Ferrara

Master of Arts, Physics, May 2013

Columbia University

**POSITIONS** 

Graduate student researcher, Columbia University Physics Department

2011-

## PROFESSIONAL Referee for MNRAS ACTIVITIES

**TEACHING** 

Graduate student instructor

2011-

Columbia University, NY, Physics Department

- Introductory Physics Lab (pre-medical) Fall 2011, Spring 2012
- Introductory Physics Lab (engineers) Fall 2012, Spring 2013
- Physical Cosmology (TA, grading), Fall 2012
- Particle Astrophysics and Cosmology (TA, recitations), Spring 2013
- EKA Advanced Physics Laboratory (TA), Fall 2013, Spring 2014

Instructor 2011-

Columbia University, NY, Science Honors Program Introduction to Cosmology for high school students

## **PUBLICATIONS**

- Supermassive black hole ancestors
   A.Petri, A.Ferrara, R.Salvaterra; Mon. Not. R. Astron. Soc. 422, 1690-1699 (2012)
- Cosmology with Minkowski Functionals and moments of the weak lensing convergence field
   A.Petri, Z.Haiman, L.Hui, M.May, J.M.Kratochvil; Phys. Rev. D. 88, 123002 (2013)

## TALKS

 $1. \ \ Cosmology \ with \ Minkowski \ Functionals \ and \ moments \ of \ the \ weak \ lensing \ convergence \ field$ 

27th Symposium on Relativistic Astrophysics, December 8-13, 2013, Dallas, TX  $\verb|http://nsm.utdallas.edu/texas2013/proceedings/4/4/b/Petri.pdf|$